

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/040685 A2

- (51) International Patent Classification⁷: **F24F**
- (21) International Application Number:
PCT/KR2004/002370
- (22) International Filing Date:
16 September 2004 (16.09.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
10-2003-0074403 23 October 2003 (23.10.2003) KR
- (71) Applicant (for all designated States except US): **LG ELECTRONICS INC.** [KR/KR]; 20 Yoido-Dong, Yong-dungpo-Gu, Seoul 150-010 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **EOM, Yoon-Seob** [KR/KR]; Woosung Apt. 101-1006, Namyang-Dong, Changwon, Gyung-sangnam-Do 641-091 (KR). **KOO, Jeong-Hwan** [KR/KR]; 18/4, 1346-22, Daeyeon 5-Dong, Nam-Gu, Busan 608-808 (KR). **PARK, Nae-Hyun** [KR/KR]; 17-346, Bulgwang 1-Dong, Eunpyeong-Gu,

Seoul 122-847 (KR). **HAN, Dong-Joo** [KR/KR]; 944-3, Dongsam 2-Dong, Yeongdo-Gu, Busan 606-804 (KR). **RYOO, Byeong-Jo** [KR/KR]; Daedong Cheongsol Apt., 103-1905 Anmin-dong, Changwon, Gyung-sangnam-Do 641-150 (KR). **LEE, Kyung-Soo** [KR/KR]; 705-17, Sujeong 3-Dong, Dong-Gu, Busan 601-817 (KR).

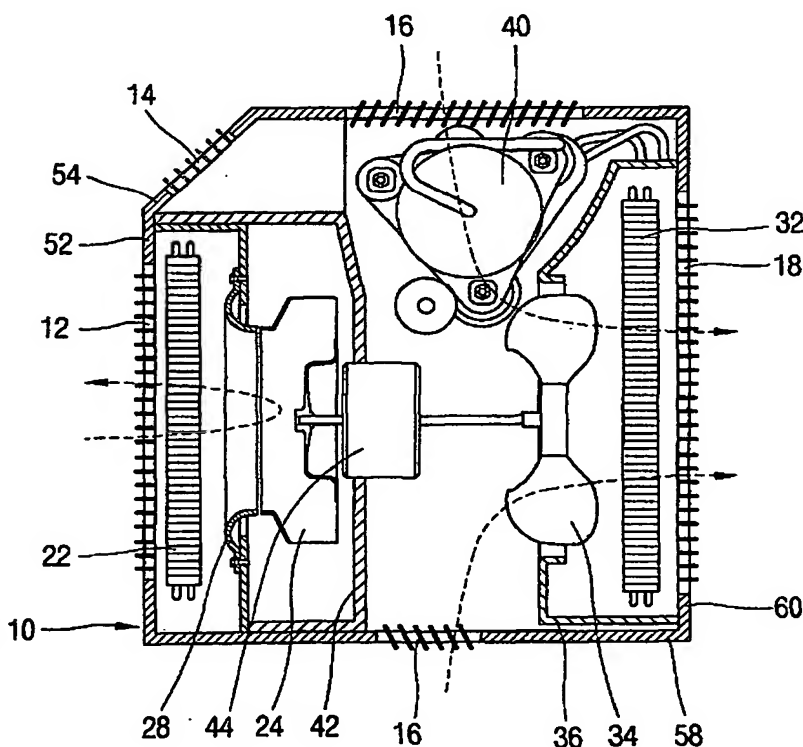
(74) Agent: **PARK, Jang-Won**; Jewoo Bldg. 5th Floor, 200 Nonhyun-dong, Gangnam-Gu, Seoul 135-010 (KR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: WINDOW TYPE AIR CONDITIONER



(57) Abstract: A window type air conditioner comprises: a case having an indoor air suction port for sucking indoor air and an indoor air discharge port for discharging heat-exchanged air indoors; an indoor unit mounted inside the case positioned at an indoor side thus to be heat-exchanged with indoor air; and an outdoor unit mounted inside the case positioned at an outdoor side thus to be heat-exchanged with outdoor air, in which the indoor air suction port is formed at a front surface of the case and the indoor air discharge port is formed at an inclination surface between the front surface and an upper surface of the case. According to this, indoor air smoothly flows thus to increase an air discharge amount, and a flow resistance is decreased thus to reduce noise.



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*